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	INTERNATIONAL SEARCH REPORT International appl		cation No.		
			1	2004/014255	
<u> </u>	T ASSIEIC	CATION OF SUBJECT MATTER	101/012	.004/014255	
7. 7	Int Cl	C12N9/22, C12N15/55, C12P19/34			
_		012113, 22, 012113, 03, 012113, 01	٠.		
Accor	ding to Int	ernational Patent Classification (IPC) or to both national classification and II	PC .		
	TELDS SE				
Minim	num docum	nentation searched (classification system followed by classification symbols)			
7	rut.CI	C12N9/22, C12N15/55, C12P19/34			
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Docum	nentation s	earched other than minimum documentation to the extent that such documen	ts are included in the	fields searched	
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		ase consulted during the international search (name of data base and, where			
		s(JOIS), SwissProt/PIR/GeneSeq, Genbank/EM WPI(DIALOG)	ar/nnan/Gene	eseq,	
₽	210212/	WEI (DIALOG)			
C. D	OCUMEN	TS CONSIDERED TO BE RELEVANT			
Cate	egory*	Citation of document, with indication, where appropriate, of the relevant	ant passages	Relevant to claim No.	
	Х	Amarasinghe A.K. et al., Escherichia col.		1-4,9-10,	
	_ ribonuclease III: affinity purification of		14-15		
	Ā	hexahistidine-tagged enzyme and assays for	or ·	5-8,11-13,	
	substrate binding and cleavage, Methods			16-17	
				·	
	X Bernstein E. et al., Role for a bidentate		2-4,9-10,		
	ribonuclease in the initiation step of RNA		14-15		
	A interference, Nature, 2001, Vol. 409, No. 6818,		1,5-8,11-13,		
		pages 363-6		16-17	
	v .	Whicht C W at al. 7 male for the DNace	T T T	3 4 6 3 6	
	X Knight S.W. et al., A role for the RNase III			2-4,9-10,	
	enzyme DCR-1 in RNA interference and germ line  A development in Caenorhabditis elegans, Science, 1,5			14-15 1,5-8,11-13,	
	.	2001, Vol.293, No.5538, pages 2269-71		10-17	
+	.				
		Y.	•		
			•		
× 1	Further do	cuments are listed in the continuation of Box C.	mily annex.		
	pecial categories of cited documents:  "T" later document published after the international filing date or priority				
te	o be of parti	cular relevance the principle or	date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
			document of particular relevance; the claimed invention cannot be		
	iling date		vel or cannot be consi ocument is taken alone	dered to involve an inventive	
c	cited to esta	blish the publication date of another citation or other "Y" document of pa			
	special reason (as specified) considered to involve an inventive step when the			step when the document is	

Date of the actual completion of the international search
14 December, 2004 (14.12.04)

Date of mailing of the international search report
28 December, 2004 (28.12.04)

Telephone No.

being obvious to a person skilled in the art

document member of the same patent family

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

document published prior to the international filing date but later than

Form PCT/ISA/210 (second sheet) (January 2004)

the priority date claimed

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PCT/JP2004/014255

C (Continuation	DOCUMENTS CONSIDERED TO BE RELEVANT		004/014255
Category*	Citation of document, with indication, where appropriate, of the relevant	ant naceages	Relevant to claim No.
X	Zhang H. et al., Human Dicer preferential cleaves dsRNAs at their termini without a requirement for ATP, EMBO J., 2002, Vol.2 No.21, pages 5875-85	2-4,9-10, 14-15 1,5-8,11-13, 16-17	
A	OHTANI N. et al., Heat labile ribonucleas HI from a psychrotrophic bacterium: gene cloning, characterization and site-direct mutagenesis, Protein Eng., 2001, Vol.14, pages 975-82	ed	1-17
<b>A</b>	Welker C. et al., Cloning, overexpression purification, and physicochemical characterization of a cold shock, protein homolog from the hyperthermophilic bacter Thermotoga maritima, Protein Sci., 1999, Vol.8, No.2, pages 394 to 403		1-17
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## INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/014255

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  1.				
because they relate to subject matter not required to be searched by this Authority, namely:				
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:  (See extra sheet.)				
1. X As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest				
No protest accompanied the payment of additional search fees.				

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## Continuation of Box No.III of continuation of first sheet (2)

The matter common to claims 1 to 17 resides in "a polypeptide having an RNase III activity".

However, this "polypeptide having an RNase III activity" is obviously not novel and thus the "polypeptide having an RNase III activity" falls within the category of prior art. Therefore, the above common matter is not a special technical feature in the meaning within the second sentence in PCT Rule 13.2.

That is, there is no matter common to all claims.

Since there is no other common matter of a different meaning seemingly a special technical feature in the meaning within the second sentence in PCT Rule 13.2, no technical relevancy can be found out among these inventions different from each other in the meaning within PCT Rule 13.

Such being the case, it is obvious that claims 1 to 17 do not comply with the requirement of unity of invention.